

## Data sheet

### REGplus IP20 E-DAT modul

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P/N

1309107003-E

EAN 4250184136569

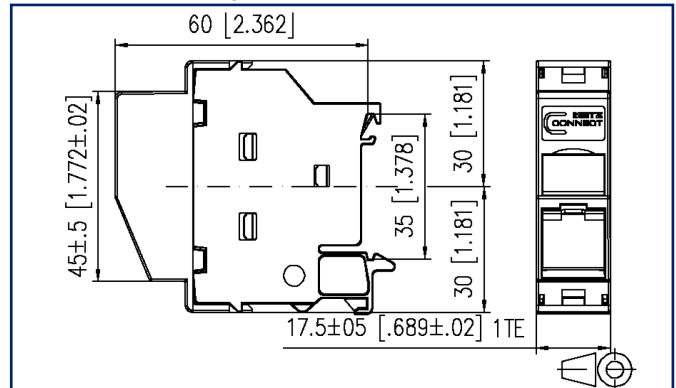
2023/05/09

Version: AP

## Illustrations



Dimensional drawing



See enlarged drawings at the end of document

## Product specification

- termination unit for mounting on TH35 rails to DIN EN 60715 in electrical distribution panels for home and industrial installations
- equipped with individual E-DAT modul RJ45 module
- cable feed 45° from the top, plug direction 45° downwards
- Cat.6<sub>A</sub> component test according to ISO/IEC 11801, DIN EN 50173-1, ANSI/TIA-568.2-D and IEC 60603-7-51, GHMT certified
- compliance with class E<sub>A</sub> according to ISO/IEC 11801, DIN EN 50173-1
- tested: Link up to 500 MHz
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus, UPoE and 4PPoE) and HDBaseT
- easy to install connection of 2 to 4 pair data lines AWG 26/1 - 22/1 and stranded wires with 7 copper conductors AWG 26/7 - 22/7 to BTR 8-fold insulation displacement connectors (IDC)
- marking of conductor assignment to T568A and T568B
- easy and fast insertion of wire pairs in E-DAT modul stuffer cap
- width of 1HP allows mounting up to 12 REG plus in standard electrical distribution panels
- when mounted as a device of protection class I, the equipotential bonding is realized directly over the top hat rail by means of an integrated equipotential plate. This has to be connected to the equipotential bonding of the building by means of a bonding terminal
- a cover protects the module against direct contact. If mounted in distributor panels with protective insulation, protection class II is guaranteed. In this case, it is necessary to remove the equipotential bonding spring.
- integrated dust protection cover (also colored)

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### Technical Data

#### General Data

Fields of application	office areas
Mechanical measurement according to MICE	M1
Ingress measurement according to MICE	I1
Climatic measurement according to MICE	C1
Electromagnetic measurement according to MICE	E2
Design	wall outlet
Mounting style	Standard rail TH35
Shielding	shielded
Transmission technology	Copper
Wiring	T568A and T568B
Color	light gray
Dimensions	
Dimension (L x W x H)	60 mm x 17.5 mm x 60 mm
Dimension (L x W x H)	2.362 in. x 0.689 in. x 2.362 in.
Horizontal pitch	1HP
Labeling option	label window with identification label
Marking option	by dust protection

#### Transmission characteristics

Category (ISO)	6 <sub>A</sub>
Class (ISO/IEC)	E <sub>A</sub>
Category (TIA)	6A
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
4PPoE	IEEE 802.3bt
HDBaseT	yes
Transmission rate up to 10 GBit	IEEE 802.3an

### Technical Data

Connections/interfaces	
Connector technology interface 1	IDC-connection
Connector technology interface 2	RJ45-jack
Number of ports interface 2	1
Number of ports interface 2 equipped	1
Number of positions/contacts interface 1	8
Number of positions/contacts interface 2	8P/8C
Termination data, solid wire (min. - max.)	
Conductor cross section, solid wire	AWG 26/1 - AWG 22/1
Conductor cross section, solid wire	0.128 mm <sup>2</sup> - 0.324 mm <sup>2</sup>
Conductor diameter, solid wire (bare copper)	0.409 mm - 0.643 mm
Conductor diameter, solid wire (bare copper)	0.016 in. - 0.025 in.
Termination data, stranded wire (min. - max.)	
Conductor cross section, stranded wire	AWG 26/7 - AWG 22/7
Conductor cross section, stranded wire	0.141 mm <sup>2</sup> - 0.355 mm <sup>2</sup>
Conductor diameter, stranded wire (bare copper)	0.483 mm - 0.762 mm
Conductor diameter, stranded wire (bare copper)	0.019 in. - 0.03 in.
Cable sheath diameter (min. - max.)	
Cable sheath diameter	5.5 mm - 10.00
Cable sheath diameter	0.197 in. - 0.394
Module plug-in direction	45° downwards
Cable access/outlet	45° from the top
Elektrische/ Optische Eigenschaften	
Current carrying capacity	max. 1 A
Contact resistance	max. 20 mOhm
Insulation resistance	min. 500 MOhm
Dielectric strength conductor-conductor (secondary)	min. 1000 V DC

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#### Mechanical data

Insertion and withdrawal force	max. 30 N
Position/mounting of latch standard installation position	top

#### Materials and material properties

Material - Housing	GD-Zn (zinc die-cast)
Material - Cover part(s)	PA66
Material - Lower housing	PA66
Material - Label window	ABS, transparent
Material - Dust protection	ABS
Material - Contact	CuSn (tin bronze)
Material - Contact finish	Ni + Au (nickel-gold)
Material - Contact carriers	PA 6.6
Material - Finish	Ni (nickel)
Material - Ground connection	CuSn4
RoHS	compliant

#### Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-40 °C - 70 °C
Temperature - Storage °F	-40 °F - 158 °F
Temperature - Operating °C	-40 °C - 70 °C
Temperature - Operating °F	-40 °F - 158 °F
Particulate ingress	IP2X
Liquid ingress/immersion	IPX0
Rapid change of temperature	-40°C / -40°F - +70°C / 158°F / 25 cycles t=30 min



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### Technical Data

#### Certifications

GHMT Type Approval



Component

Approvals

UL listed (file no.)



DUXR.E178484

#### Standards/Regulations

Generic cabling systems

General requirements

ANSI/TIA-568

Connectors for electronic equipment

Free and fixed connectors

DIN EN 60603-7-51:2011-01

Connectors for electronic equipment - Tests and measurements

Test standard for connectors (engaging and separating connectors under electrical load)

DIN-EN 60512-99-001, Pg. UEL1

Endurance tests

IEC 60512-9-3: 03-2009

Interference proof

Immunity for industrial environments

DIN EN 61000-6-2:2006-03

Climate tests

IEC 60512-11

#### Classifications

ETIM 5.0

EC001024

ETIM 6.0

EC001024

ETIM 7.0

EC001024

ETIM 8.0

EC001024

ETIM 9.0

EC001024

#### Packing details

Type of packaging

10 pc(s) / box

Packaging unit - Weight (gram)

697 g

Packaging unit - Weight (pound)

1.54 lb

Packaging dimension

235 mm x 165 mm x 135 mm

Packaging dimension

9.252 in. x 6.496 in. x 5.315 in.

### Accessories

P/N	Designation
130898-00-I	BLIND module light gray
130898-00-RW-I	BLIND module pure white
130898-01-I	COAX modul F jack / F jack
130898-02-I	COAX modul IEC jack / F jack
130898-03-I	COAX modul IEC plug / F jack
130908-I-B1	UAE modul Cat.5e white
130909-I	UAE modul Cat.6 jack white
130910-I	E-DAT modul Cat.6 <sub>A</sub> 8(8) jack
130910-I-B1	E-DAT modul Cat.6 <sub>A</sub> 8(8) jack, T568B
130910-Z	E-DAT modul Cat.6 <sub>A</sub> 8(8) jack, (12 pcs)
1309A0-I	E-DAT modul coupler 8(8) 180° class E <sub>A</sub>
1309A1-I	E-DAT modul coupler 8(8) 90° class E <sub>A</sub>
130A11-29-I	UAE modul 8(8) Cat.6 <sub>A</sub> black
130A11-I	UAE modul 8(8) Cat.6 <sub>A</sub> white
130B11-25-E	25Gmodul
130B11-25-Z	25Gmodul (12 pcs)
130B11-E	C6 <sub>A</sub> modul 180° jack
130B11-Z	C6 <sub>A</sub> modul 180° jack (12 pcs)
130B12-E	C6 <sub>A</sub> modul 270° jack
15091001-I	OpDAT modul ST OS2
15091071-I	OpDAT modul LC-Duplex OS2
15091072-I	OpDAT modul LC-Duplex OM3
15091075-I	OpDAT modul LC-Duplex OM4
15091076-I	OpDAT modul LC-Duplex APC OS2
1509107B-I	OpDAT modul LC-Duplex OM2
816979-0103-I	Dust protection covers for Modul patch panels subway / REG gray
816979-0105-I	Dust protection covers for Modul patch panels subway / REG yellow
816979-0106-I	Dust protection covers for Modul patch panels subway / REG blue
816979-0107-I	Dust protection covers for Modul patch panels subway / REG green
816979-0108-I	Dust protection covers for Modul patch panels subway / REG red

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### Accessories

899011-01

Label sheet for Modul patch panels / REG

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